



Switches

Manufactured from Stainless Steel, Bulgin's extensive range of vandal resistant security switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments such as access control applications.

The front and rear panel mounted versions have three profiles – prominent, domed and low profile – with a choice of switching and IP66 & IP68 front panel sealing which combined together to meet the ergonomic, electrical and environmental demands of switch panel design. And where the ultimate strength of steel is not needed, there is a brass, chrome plated alternative. The low profile style switches are now also available with a latching, push on - push off, action.

The illuminated versions are available in dot and ring LED indication and a variety of illumination colours including bi-colour LED's. Newer versions also feature LED illumination driven by 6V, 12V & 24V together with rear of panel sealing, these options will add that extra dimension to control panel layouts and functionality.

The standard range of vandal resistant switches are complemented by a range of 16mm stainless steel switches of robust construction designed for use in applications where space is at a premium.

Type	Page
Low Profile Vandal Resistant	
MP0025	174
MP0027	174
MP0038	174
MP0031	175
MP0034	175
MP0037	175
Low Profile Vandal Resistant - Latching	
MPL025	176
MPL027	176
MPL038	176
MPL031	177
MPL034	177
Low Profile Vandal Resistant - Double Pole	
MPD0031	178
Illuminated Vandal Resistant	
MPI001	179
MPI002	180
MPI001, MPI002 through panel sealed	181
Brass Chrome Plated Vandal Resistant	
MPB038	182
MPB031	182
MPB037	182
Low Profile Vandal Resistant - Large Diameter	
MP0050	183
MP0050/2	183

Type	Page
Domed Vandal Resistant	
MP0027/3	184
MP0038/3	184
MP0025/3	184
MP0037/3	185
MP0031/3	185
MP0034/3	185
Prominent Vandal Resistant	
MP0027/2	186
MP0038/2	186
MP0025/2	186
MP0037/2	187
MP0031/2	187
MP0034/2	187
Push Button	
MP0013	188
MP0033	188
MP0013/2	188
MP0033/2	188
Stainless Steel - 16mm	
MP0042	189
MP0045	190-193
Push Button	
MP0012	194
MP0016	194
MP0022	195
Voltage Selectors	
VS0001	196
VS0002	196

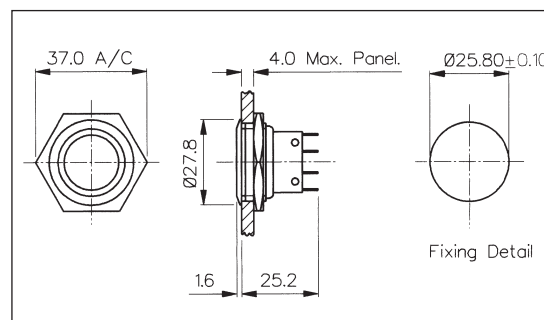
Stainless Steel Low Profile Vandal Resistant - Momentary

FRONT PANEL MOUNTING



MP0027

- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac

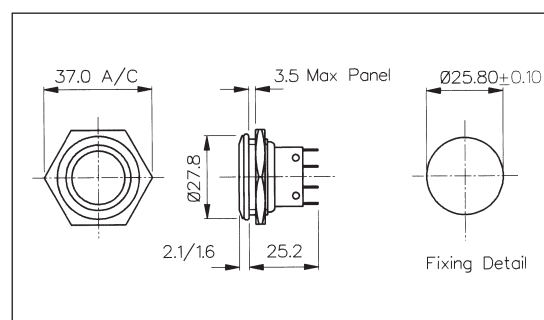


FRONT PANEL MOUNTING

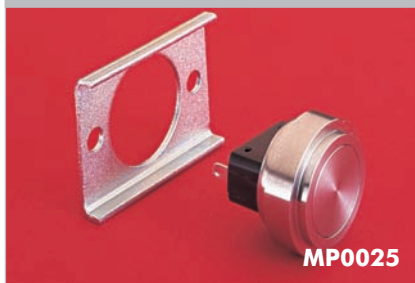


MP0038
Sealed to IP66

- Front Panel Sealed to IP66
- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac

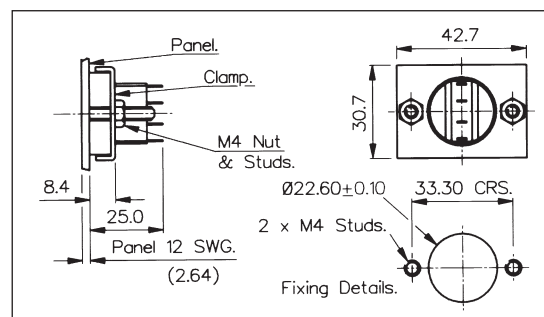


REAR PANEL MOUNTING



MP0025

- 22mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



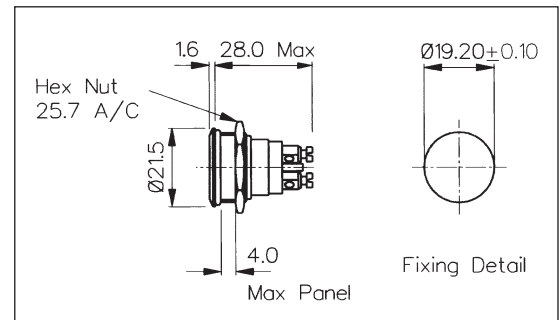
Specification	MP0027	MP0038	MP0025
Terminations:	Solder Tags	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):		Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	1,000,000 (min)
Electrical:	35,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)	6.1N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Stainless Steel Low Profile Vandal Resistant - Momentary

FRONT PANEL MOUNTING



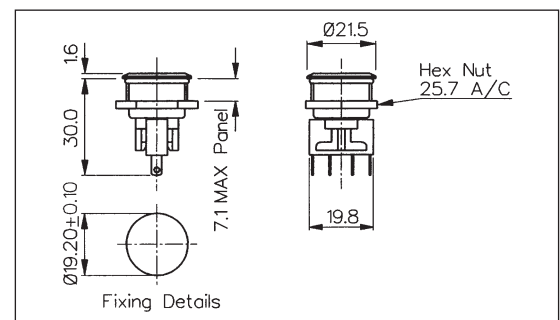
- Front Panel Sealed to IP68
- 21.5mm diameter
- S.P. Push to Make
- 1A, 50Vac/dc
- Industry Standard Size



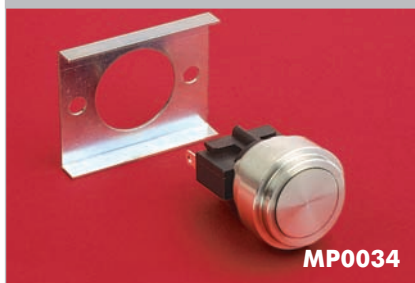
FRONT PANEL MOUNTING



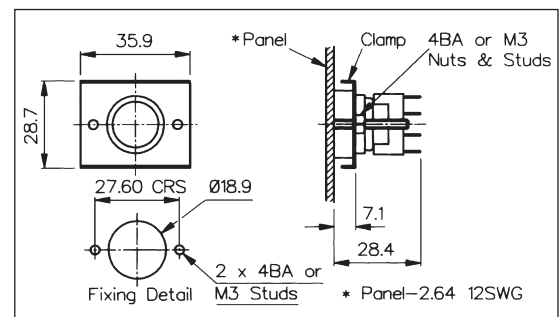
- Front Panel Sealed to IP66
- 21.5mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- Rear Panel Mounting
- Flush with Panel
- 19mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



Specification	MP0037	MP0031	MP0034
Terminations:	Screw Terminals	Solder Tags	Solder Tags
Switching:	S.P. Push to make Momentary action	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	1A, 50Vac/dc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ⁵ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>1.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN60529 1992 (Terminals not sealed)	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	250,000 (min)
Electrical:	30,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	4.7N (typ)	2.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Silver Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Brass, Silver Plated, Silver	Fine Silver	Fine Silver
Thread size:	0.747" x 26TPI	0.747" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

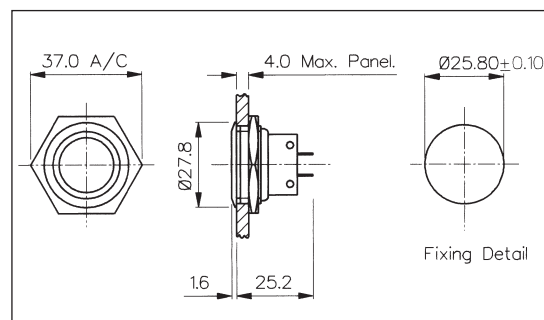
Stainless Steel Low Profile Vandal Resistant - Latching

FRONT PANEL MOUNTING



- 28mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL027

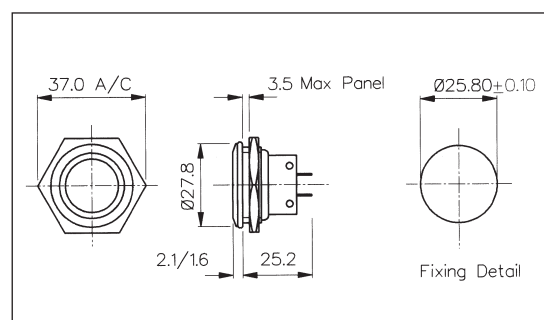


FRONT PANEL MOUNTING

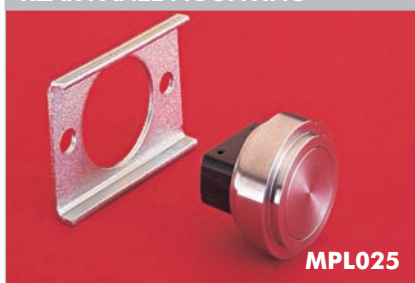


- Front Panel Sealed to IP66
- 28mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL038
Sealed to IP66

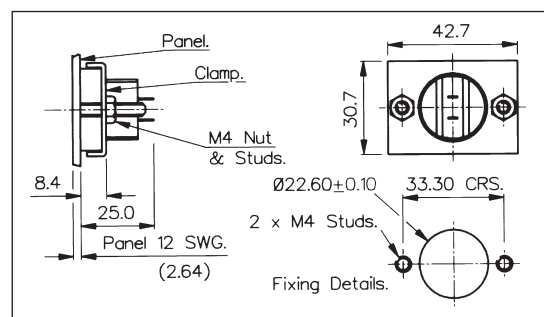


REAR PANEL MOUNTING



- 22mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL025



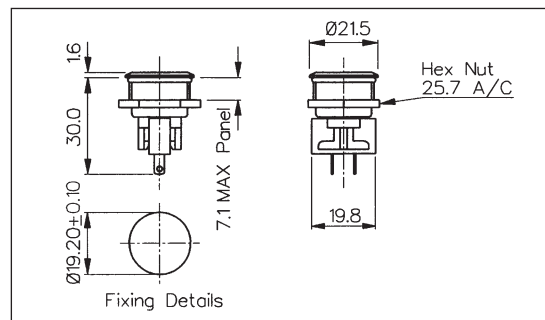
Specification	MPL027	MPL038	MPL025
Terminations:	Solder Tags	Solder Tags	Solder Tags
Switching:	S.P.M.B. - Latching	S.P.M.B. - Latching	S.P.M.B. - Latching
Max. Rating:	2A, 50Vac/dc	2A, 50Vac/dc	2A, 50Vac/dc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	-	Protection Classification: IP66 EN60529 1992 (Switch not sealed)	-
Operations			
Mechanical:	8,000 (min)	8,000 (min)	8,000 (min)
Electrical:	8,000 (min)	8,000 (min)	8,000 (min)
Operating Pressure:	5.5N (typ)	5.5N (typ)	5.5N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Stainless Steel Low Profile Vandal Resistant - Latching

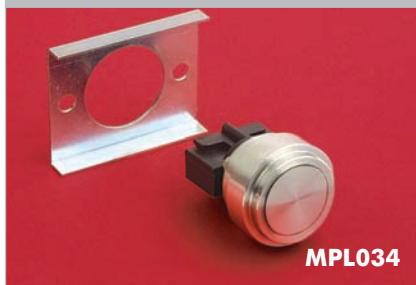
FRONT PANEL MOUNTING



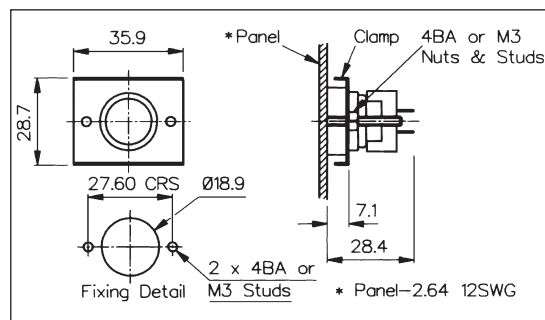
- Front Panel Sealed to IP66
- 21.5mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch



REAR PANEL MOUNTING



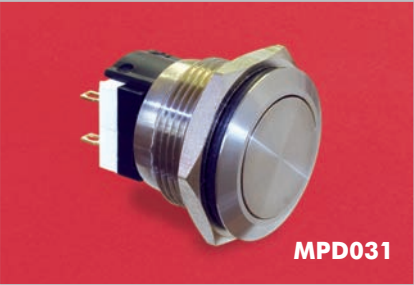
- Rear Panel Mounting
- Flush with Panel
- 19mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch



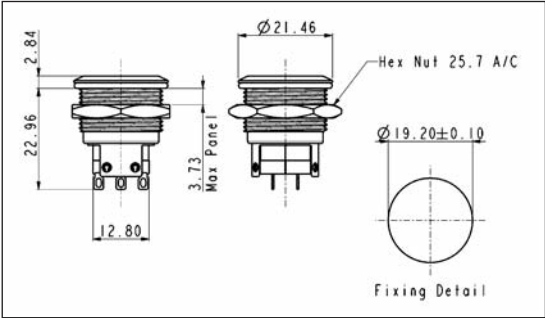
Specification	MPL031	MPL034
Terminations:	Solder Tags	Solder Tags
Switching:	S.P.M.B. - Latching	S.P.M.B. - Latching
Max. Rating:	2A, 50Vac/dc	2A, 50Vac/dc
Contact Resistance:	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP66 EN60529 1992 (Switch not sealed)	
Operations		
Mechanical:	8,000 (min)	8,000 (min)
Electrical:	8,000 (min)	8,000 (min)
Operating Pressure:	5.5N (typ)	5.5N (typ)
Rear Nut Fixing Torque:	0.57Nm	-
Materials		
Mouldings:	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	0.747" x 26TPI	-
RoHS	Compliant	Compliant

Stainless Steel Low Profile Vandal Resistant - Momentary - Double Pole

FRONT PANEL MOUNTING



- Front Panel Sealed to IP66
- 21.5mm diameter
- D.P.C.O. Microswitch
- 3A, 125Vac



Specification	MPD031		
Terminations:	Solder Tags		
Switching:	D.P.C.O. Momentary Action (Microswitch)		
Max. Rating:	3A, 125Vac		
Contact Resistance:	30-100mΩ max.		
Insulation Resistance:	100MΩ min.		
Dielectric Strength:	1,000VacRMS		
Operating Temp. Range:	-20°C to +70°C		
Sealing (Front of panel only):	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)		
Operations			
Mechanical:	1,000,000		
Electrical:	10,000 @ 3A, 125Vac		
Rear Nut Fixing Torque:	0.57Nm		
Materials			
Mouldings:	Glass Filled Nylon		
Tags/Terminations:	Brass, Tin Plated		
Switch Body & Button:	Stainless Steel		
Contacts:	Brass, Silver Plated		
Thread size:	0.747" x 26TPI		
RoHS	Compliant		

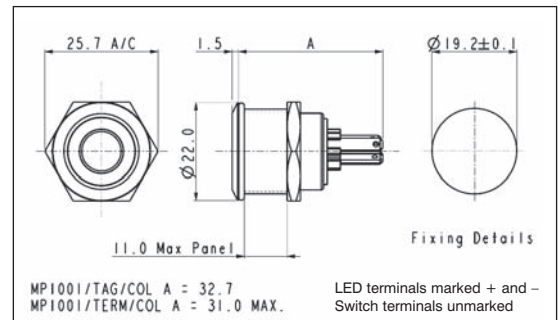
Stainless Steel Illuminated Vandal Resistant

FRONT PANEL MOUNTING

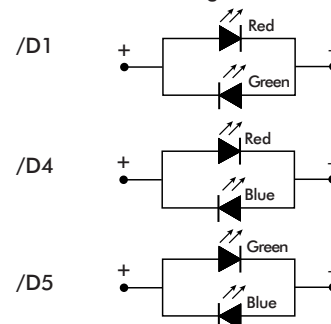


MPI001- front panel seal to IP66

- Dot illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue, White or dual colour illumination
- Bright daylight LEDs
- Independent LED terminals
- Front panel seal to IP66
- Integral supply resistors
- TVS protection



Dual Colour LED Configuration



Specification	MPI001/Termination/Colour/Voltage
Illumination style:	Dot
Terminations:	/28 (2.8mm tabs), /TERM or /TE (screw terminals)
Switching:	Single pole, push to make, tactile (momentary action)
Max. Switch Rating:	50mA, 24Vdc
LEDs (ratings @ 20mA)	
Part No.	/RD /GN /AM /BL /WH /D1 /D4 /D5
Colours	Red Green Amber Blue White Red/Green Red/Blue Green/Blue
Luminous Intensity	900mcd 2500mcd 900mcd 1500mcd 900mcd 2500mcd/5000mcd 2000mcd/850mcd 4000mcd/2000mcd
Forward Voltage	1.85V 3.5V 2.3V 3.5V 3.6V 2.05V/3.6V 2.0V/3.6V 3.6V/3.6V
Forward Current	20mA 20mA 20mA 20mA 20mA 20mA 20mA 20mA
Moulding Colour	Red Green Amber Blue White Black Black Black
Illumination Voltage:	/no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc
Contact Resistance:	<100mΩ
Insulation Resistance:	>10 ³ MΩ
Dielectric Strength:	Contact to Panel >2.0kV Contact to Contact 1500V
Operating Temp. Range:	-30°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP66 EN60529 1992
Operations	
Mechanical:	750,000 (min)
Electrical:	35,000 (min)
Operating Pressure:	12N
Rear Nut Fixing Torque:	0.57Nm
Materials	
Switch assembly:	UL94V-0 rated Polyamide (Nylon)
Tags:	Copper Alloy
Terminals:	Copper Alloy
Switch Body & Button:	Stainless Steel
Lens and Lens Body:	Polycarbonate
O ring:	Nitrile
Internal seal:	Silicone
Contact Plate:	Gold Plated
Thread size:	18.97mm x 26TPI
	ESD Handling precautions must be taken
	Compliant



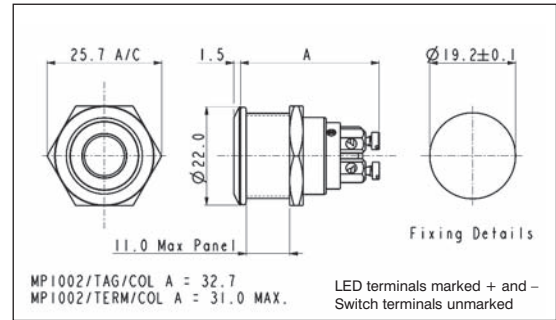
RoHS

Stainless Steel Illuminated Vandal Resistant

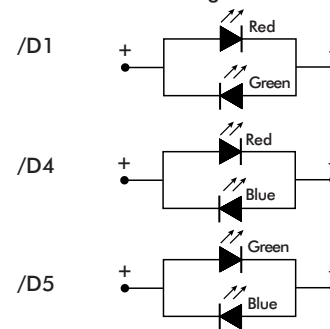
FRONT PANEL MOUNTING



- Ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue, White or dual colour illumination
- Bright daylight LEDs
- Independent LED terminals
- Front panel seal to IP66
- Integral supply resistors
- TVS protection



Dual Colour LED Configuration



Specification	MPI002/Termination/Colour/Voltage
Illumination style:	Ring
Terminations:	/28 (2.8mm tabs), /TERM or /TE (screw terminals)
Switching:	Single pole, push to make, tactile (momentary action)
Max. Switch Rating:	50mA, 24Vdc
LEDs (ratings @ 20mA)	
Part No.	/RD /GN /AM /BL /WH /D1 /D4 /D5
Colours	Red Green Amber Blue White Red/Green Red/Blue Green/Blue
Luminous Intensity	900mcd 2500mcd 900mcd 1500mcd 900mcd 2500mcd/5000mcd 2000mcd/850mcd 4000mcd/2000mcd
Forward Voltage	1.85V 3.5V 2.3V 3.5V 3.6V 2.05V/3.6V 2.0V/3.6V 3.6V/3.6V
Forward Current	20mA 20mA 20mA 20mA 20mA 20mA 20mA 20mA
Moulding Colour	Red Green Amber Blue White Black Black Black
Illumination Voltage:	/no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc
Contact Resistance:	<100mΩ
Insulation Resistance:	>10 ³ MΩ
Dielectric Strength:	Contact to Panel >2.0kV Contact to Contact 1500V
Operating Temp. Range:	-30°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP66 EN60529 1992
Operations	
Mechanical:	750,000 (min)
Electrical:	35,000 (min)
Operating Pressure:	12N
Rear Nut Fixing Torque:	0.57Nm
Materials	
Switch assembly:	UL94V-0 rated Polyamide (Nylon)
Tags:	Copper Alloy
Terminals:	Copper Alloy
Switch Body & Button:	Stainless Steel
Lens and Lens Body:	Polycarbonate
O ring:	Nitrile
Internal seal:	Silicone
Contact Plate:	Gold Plated
Thread size:	18.97mm x 26TPI
	ESD Handling precautions must be taken
	Compliant



RoHS

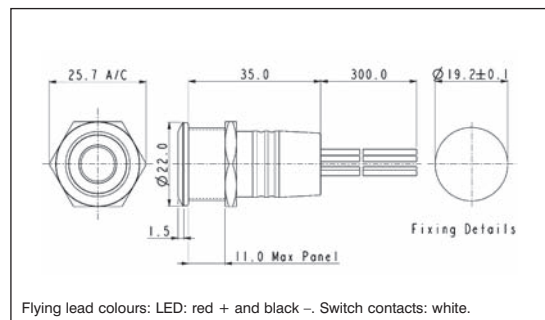
Stainless Steel Illuminated Vandal Resistant with rear of panel IP66 seal

REAR PANEL SEALED - FLYING LEADS



MPI002/FL/xx/x

- Dot or ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue & White illumination
- Bright daylight LEDs
- Independent LED terminals
- Front and rear panel seal to IP66
- Flying lead termination
- TVS protection



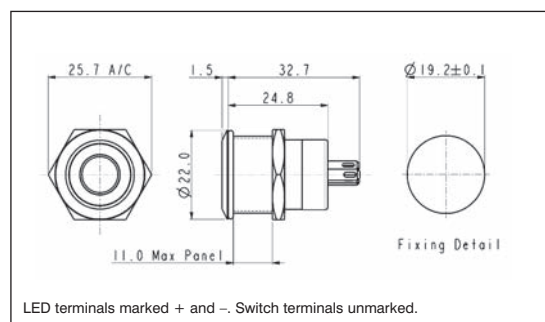
Flying lead colours: LED: red + and black -. Switch contacts: white.

REAR PANEL SEALED - SOLDER TAG



MPI001/RP/xx/x

- Dot or ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue & White illumination
- Bright daylight LEDs
- Independent LED terminals
- Front and rear panel seal to IP66
- Solder tag termination
- TVS protection



LED terminals marked + and -. Switch terminals unmarked.

Specification	MPI001/Termination/Colour/Voltage	MPI002/Termination/Colour/Voltage
Illumination style:	Dot	Ring
Terminations:	/FL (Flying leads) /RP (Solder tags)	/FL (Flying leads) /RP (Solder tags)
Switching:	Single pole, push to make, tactile (momentary action)	Single pole, push to make, tactile (momentary action)
Max. Switch Rating:	50mA, 24Vdc	50mA, 24Vdc
LEDs (ratings @ 20mA)		
Part No.	/RD /GN /AM /BL /WH	/RD /GN /AM /BL /WH
Colours	Red Green Amber Blue White	Red Green Amber Blue White
Luminous Intensity	900mcd 2500mcd 900mcd 1500mcd 900mcd	900mcd 2500mcd 900mcd 1500mcd 900mcd
Forward Voltage	1.85V 3.5V 2.3V 3.5V 3.6V	1.85V 3.5V 2.3V 3.5V 3.6V
Forward Current	20mA 20mA 20mA 20mA 20mA	20mA 20mA 20mA 20mA 20mA
Illumination Voltage:	/no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc	/no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc
Contact Resistance:	<100mΩ	<100mΩ
Insulation Resistance:	>10 ³ MΩ.	>10 ³ MΩ.
Dielectric Strength:	Contact to panel >2.0kV Contact to contact 1500V	Contact to panel >2.0kV Contact to contact 1500V
Operating Temp. Range:	-30°C to +70°C	-30°C to +70°C
Sealing (Front & rear of panel):	Protection classification: IP66, EN60529 1992	Protection classification: IP66, EN60529 1992
Operations		
Mechanical:	750,000 (min)	750,000 (min)
Electrical:	35,000 (min)	35,000 (min)
Operating Pressure:	12N	12N
Rear Nut Fixing Torque:	0.57Nm	0.57Nm
Materials		
Switch assembly:	UL94V-0 rated Polyamide (Nylon)	UL94V-0 rated Polyamide (Nylon)
Tags:	Copper Alloy	Copper Alloy
Leads:	Tinned, stranded copper conductors	Tinned, stranded copper conductors
Switch Body & Button:	Stainless Steel	Stainless Steel
Lens and Lens Body:	Polycarbonate	Polycarbonate
O ring:	Nitrile	Nitrile
Internal seal:	Silicone	Silicone
Contact Plate:	Gold Plated	Gold Plated
Thread size:	18.97mm x 26TPI	18.97mm x 26TPI
	ESD Handling precautions must be taken	ESD Handling precautions must be taken
	Compliant	Compliant

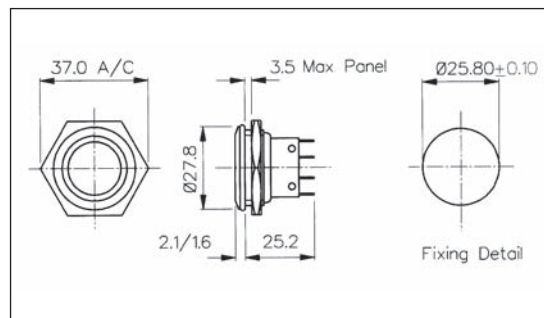


Low Profile Brass Chrome Plated Vandal Resistant

FRONT PANEL MOUNTING



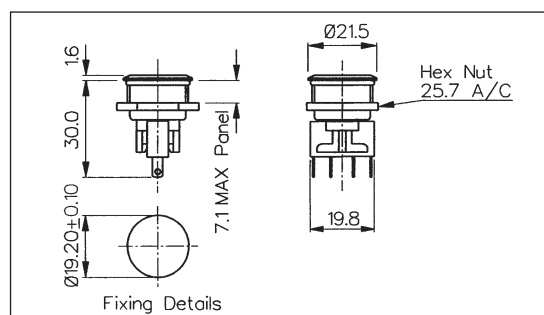
- Front Panel Sealed to IP66
- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



FRONT PANEL MOUNTING



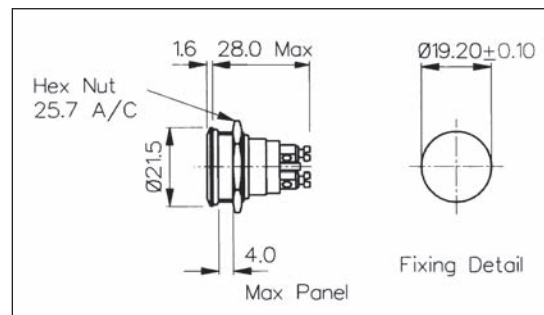
- Front Panel Sealed to IP66
- 21mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



FRONT PANEL MOUNTING



- Front Panel Sealed to IP68
- 21.5mm diameter
- S.P. Push to Make
- 1A, 50Vac/dc



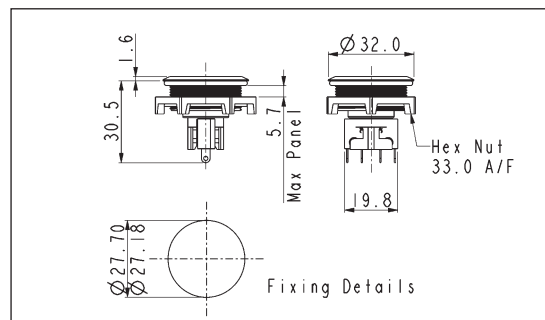
Specification	MPB038	MPB031	MPB037
Terminations:	Solder Tags	Solder Tags	Screw Terminals
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)	S.P. Push to make Momentary action
Max. Rating:	5A, 250Vac. 2A, 28Vdc	5A, 250Vac 2A, 28Vdc	1A, 50Vac/dc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ.	>10 ³ MΩ	>10 ⁵ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac	>1.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	Protection Classification: IP68 EN60529 1992 (Terminals not sealed)
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	1,000,000 (min)
Electrical:	35,000 (min)	35,000 (min)	30,000 (min)
Operating Pressure:	12.5N (typ)	4.7N (typ)	7.5N (typ)
Rear Nut Fixing Torque:	1.13Nm	0.57Nm	0.57Nm
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated	Brass, Silver Plated
Switch Body & Button:	Brass, Chrome Plated	Brass, Chrome Plated	Brass, Chrome Plated
Contacts:	Fine Silver	Fine Silver	Brass, Silver Plated, Silver
Thread size:	1.0" x 26TPI	0.747" x 26TPI	0.747" x 26TPI
RoHS	Compliant	Compliant	Compliant

Stainless Steel Large Diameter Vandal Resistant - Momentary

FRONT PANEL MOUNTING - LOW PROFILE



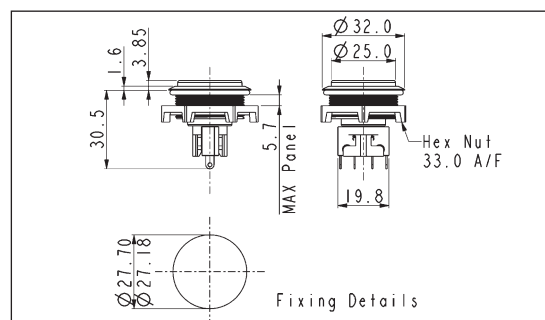
- Front Panel Sealed to IP68
- Flush button
- 32.0mm diameter
- S.P.C.O. switching
- Momentary action
- 5A, 250Vac

MP0050


FRONT PANEL MOUNTING - PROTRUDING PROFILE



- Front Panel Sealed to IP68
- Protruding button
- 32.0mm diameter
- S.P.C.O. switching
- Momentary action
- 5A, 250Vac

MP0050/2


Specification	MP0050	MP0050/2
Terminations:	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac. 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	10mΩ	10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN60529 1992 (Micro switch not sealed)	Protection Classification: IP68 EN60529 1992 (Micro switch not sealed)
Operations		
Mechanical:	1,000,000 (min)	1,000,000 (min)
Electrical:	35,000 (min)	35,000 (min)
Operating pressure:	4.7Nm	4.7Nm
Rear Nut Fixing Torque:	0.57Nm	0.57Nm
Materials		
Mouldings:	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	M27 x 1.0-6H	M27 x 1.0-6H
RoHS	Compliant	Compliant

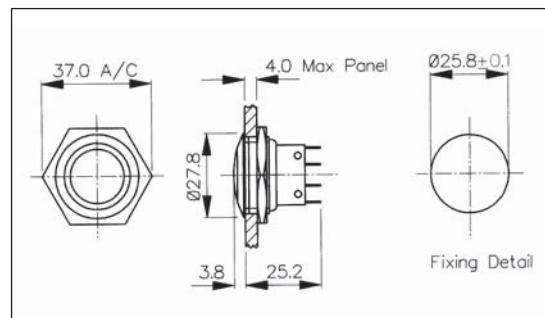
Stainless Steel Domed Vandal Resistant

FRONT PANEL MOUNTING



- 28mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac

MP0027/3

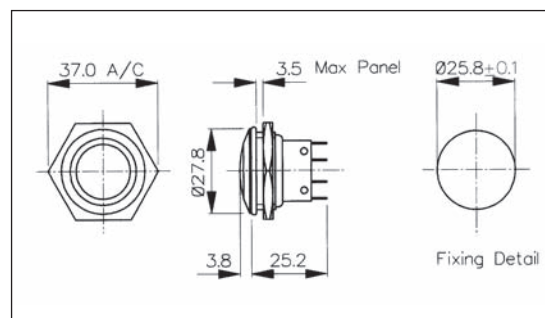


FRONT PANEL MOUNTING

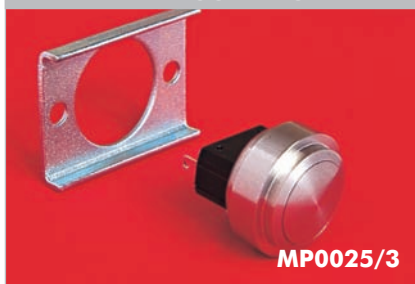


- Front Panel Sealed to IP66
- 28mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac

MP0038/3
Sealed to IP66

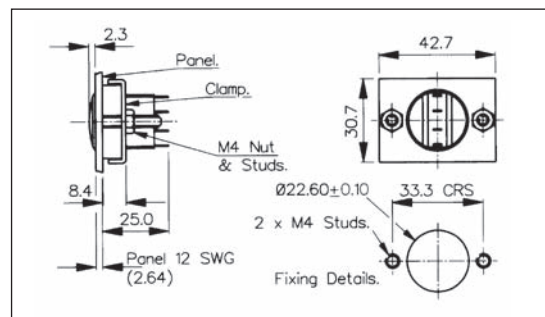


REAR PANEL MOUNTING



- 22mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac

MP0025/3



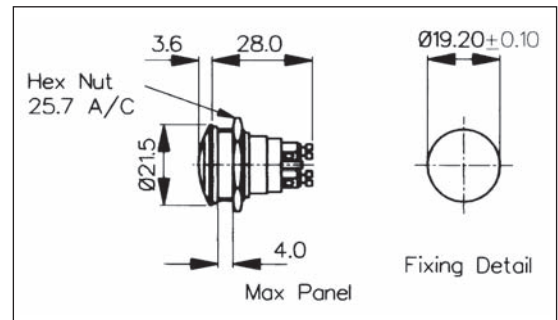
Specification	MP0027/3	MP0038/3	MP0025/3
Terminations:	Solder Tags	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	-	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	-
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	1,000,000 (min)
Electrical:	35,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)	6.1N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Stainless Steel Domed Vandal Resistant

FRONT PANEL MOUNTING



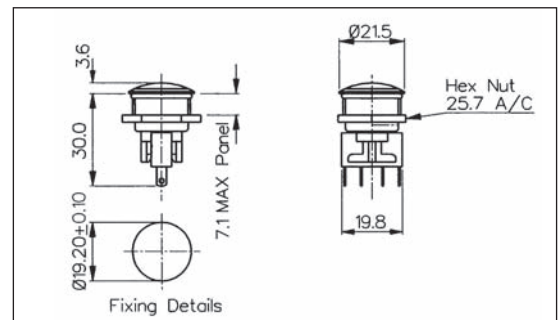
- Front Panel Sealed to IP68
- 21.5mm diameter
- Domed Profile
- S.P. Push to Make
- 1A, 50Vac/dc



FRONT PANEL MOUNTING



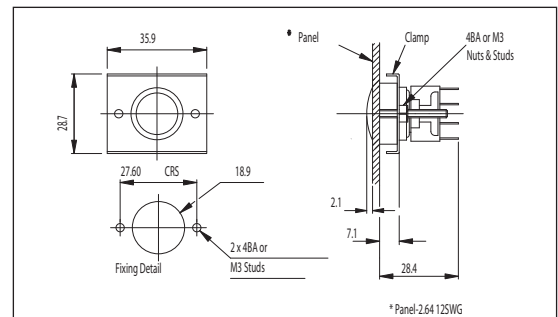
- Front Panel Sealed to IP66
- 21.5mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- Rear Panel Mounting
- 19mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



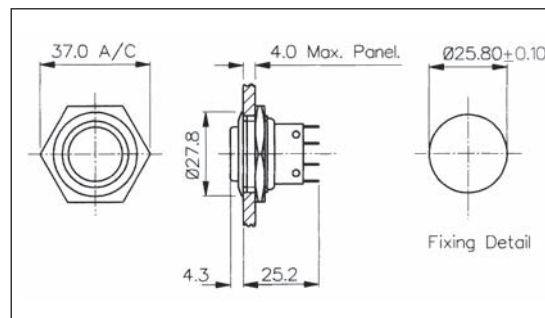
Specification	MP0037/3	MP0031/3	MP0034/3
Terminations:	Screw Terminals	Solder Tags	Solder Tags
Switching:	S.P. Push to make Momentary action	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	1A, 50Vac/dc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ⁵ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>1.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN60529 1992 (Terminals not sealed)	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	-
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	250,000 (min)
Electrical:	30,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	4.7N (typ)	2.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Silver Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Brass, Silver Plated, Silver	Fine Silver	Fine Silver
Thread size:	0.747" x 26TPI	0.747" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Stainless Steel Prominent Button Vandal Resistant

FRONT PANEL MOUNTING



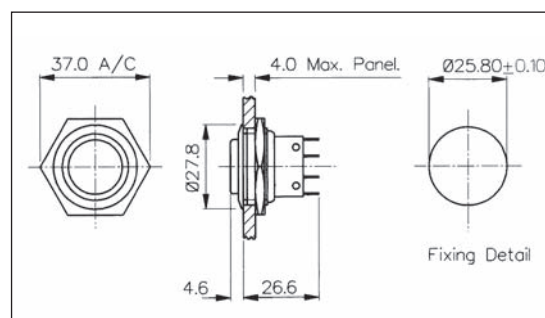
- 28mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



FRONT PANEL MOUNTING



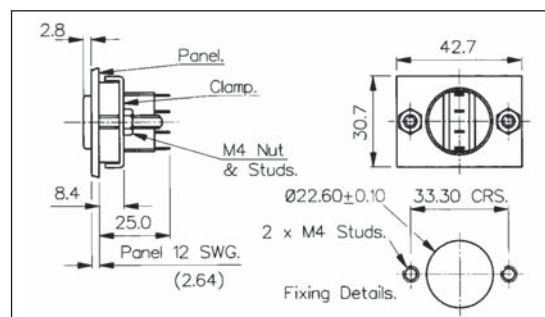
- Front Panel Sealed to IP66
- 28mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- 22mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



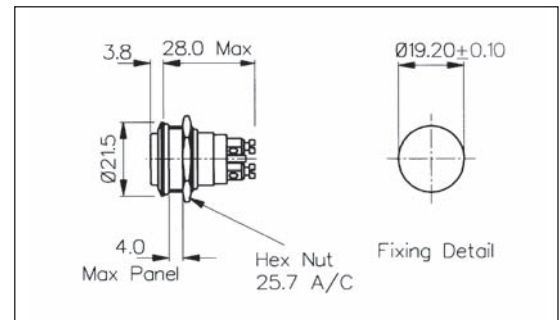
Specification	MP0027/2	MP0038/2	MP0025/2
Terminations:	Solder Tags	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>2.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	-	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	-
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	1,000,000 (min)
Electrical:	35,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)	6.1N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Fine Silver	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Stainless Steel Prominent Button Vandal Resistant

FRONT PANEL MOUNTING



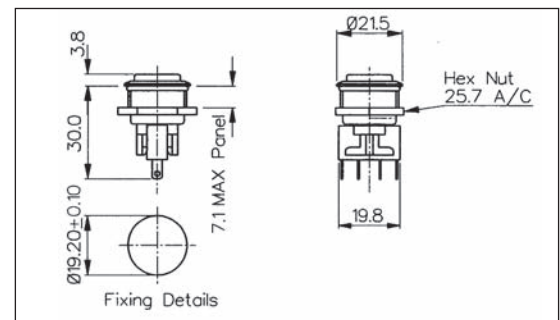
- Front Panel Sealed to IP68
- 21.5mm diameter
- Prominent Button
- S.P. Push to Make
- 1A, 50Vac/dc



FRONT PANEL MOUNTING



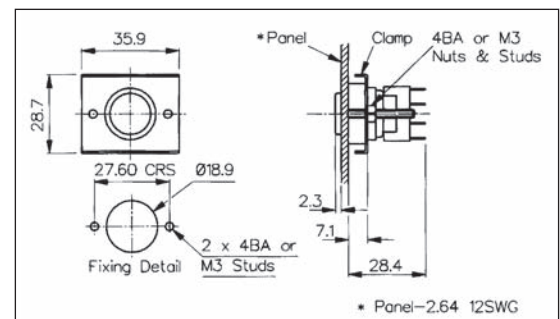
- Front Panel Sealed to IP66
- 21.5mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- 19mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



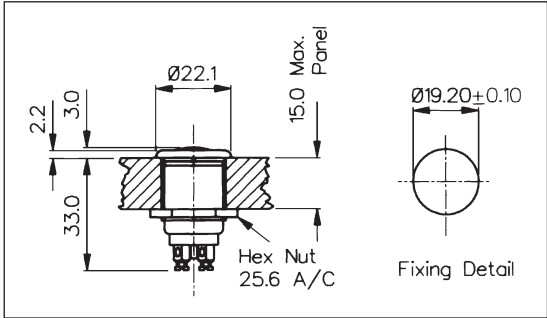
Specification	MP0037/2	MP0031/2	MP0034/2
Terminations:	Screw Terminals	Solder Tags	Solder Tags
Switching:	S.P. Push to make Slow momentary action	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	1A, 50Vac/dc	5A, 250Vac 2A, 28Vdc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	>10 ⁵ MΩ	>10 ³ MΩ.	>10 ³ MΩ
Dielectric Strength:	>1.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN60529 1992 (Terminals not sealed)	Protection Classification: IP66 EN60529 1992 (Micro switch not sealed)	-
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	250,000 (min)
Electrical:	30,000 (min)	35,000 (min)	35,000 (min)
Operating Pressure:	7.5N (typ)	4.7N (typ)	2.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm	-
Materials			
Mouldings:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Silver Plated	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel	Stainless Steel	Stainless Steel
Contacts:	Brass, Silver Plated, Silver	Fine Silver	Fine Silver
Thread size:	0.747" x 26TPI	0.747" x 26TPI	-
RoHS	Compliant	Compliant	Compliant

Push Button

FRONT PANEL MOUNTING



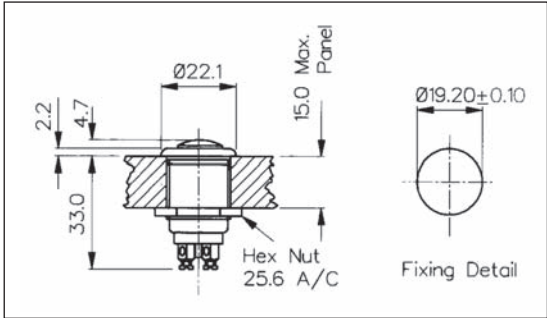
- Proud Fitting
- 22mm diameter
- S.P. Push to Make
- 1A, 50V
- Brass, Chrome Plated Body, Stainless Steel Button
- MP0033 Internally Sealed



FRONT PANEL MOUNTING



- Prominent Button
- 22mm diameter
- S.P. Push to Make
- 1A, 50V
- Brass, Chrome Plated Body, Stainless Steel Button
- MP0033/2 Internally Sealed



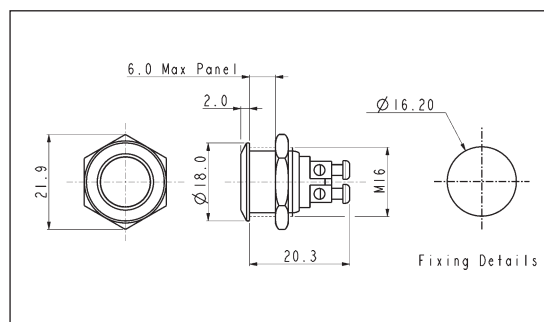
Specification	MP0013, MP0033	MP0013/2, MP0033/2
Terminations:	Screw Terminals	Screw Terminals
Switching:	S.P. Push to make Slow momentary action	S.P. Push to make Slow momentary action
Max. Rating:	1A, 50Vac	1A, 50Vac
Contact Resistance:	<15mΩ	<15mΩ
Insulation Resistance:	>10 ⁴ MΩ	>10 ⁴ MΩ
Dielectric Strength:	>2.5kVac	>2.5kVac
Operating Temp. Range:	-20°C to +85°C	-20°C to +85°C
Sealing (Front of panel only):	MP0033 only - internally sealed against ingress of water and dust	MP0033/2 only - internally sealed against ingress of water and dust
Materials:		
Mouldings:	Glass Filled Nylon	Glass Filled Nylon
Tags/Terminations:	Brass, Silver Plated	Brass, Silver Plated
Switch Body & Button:	Body: Brass, Chrome Plated Button: Stainless Steel	Body: Brass, Chrome Plated Button: Stainless Steel
Contacts:	Copper, Silver Plated	Copper, Silver Plated
RoHS	Compliant	Compliant

Stainless Steel - Momentary

FLUSH PROFILE


MP0042/1

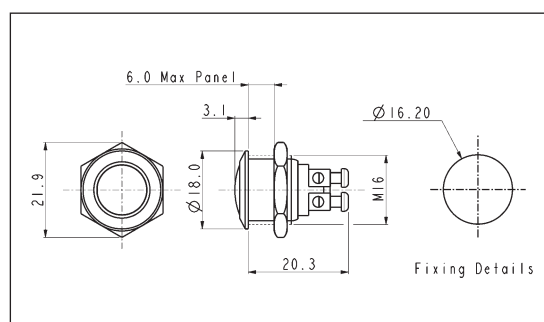
- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc



DOMED PROFILE


MP0042/2

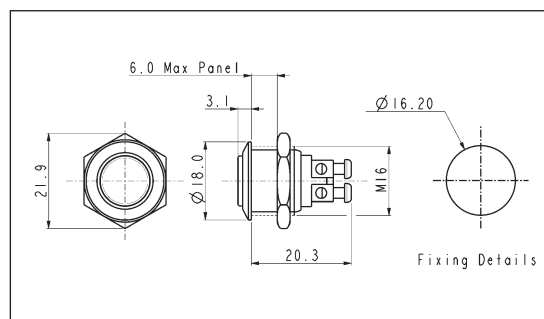
- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc



PROMINENT BUTTON


MP0042/3

- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc



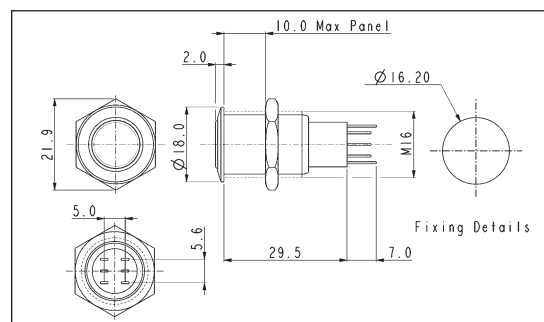
Specification	MP0042/1	MP0042/2	MP0042/3
Terminations:	Screw Terminals	Screw Terminals	Screw Terminals
Switching:	S.P. Push to Make	S.P. Push to Make	S.P. Push to Make
Max. Rating:	2A, 48Vdc	2A, 48Vdc	2A, 48Vdc
Contact Resistance:	50mΩ at 1A, 2V	50mΩ at 1A, 2V	50mΩ at 1A, 2V
Insulation Resistance:	>10 ³ MΩ @ 500Vdc	>10 ³ MΩ @ 500Vdc	>10 ³ MΩ @ 500Vdc
Dielectric Strength:	>2.0kVac	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Operations			
Mechanical:	1,000,000 (min)	1,000,000 (min)	1,000,000 (min)
Electrical:	100,000 (min)	100,000 (min)	100,000 (min)
Rear Nut Fixing Torque:	12Nm	12Nm	12Nm
Materials			
Mouldings:	Nylon	Nylon	Nylon
Tags/Terminations:	Brass, Silver Plated	Brass, Silver Plated	Brass, Silver Plated
Switch Body & Button:	Stainless Steel (Polished)	Stainless Steel (Polished)	Stainless Steel (Polished)
Contacts:	Silver	Silver	Silver
Variants:	Gold Plated Brass version available	Gold Plated Brass version available	Gold Plated Brass version available
RoHS	Compliant	Compliant	Compliant

Stainless Steel - Momentary

LOW PROFILE



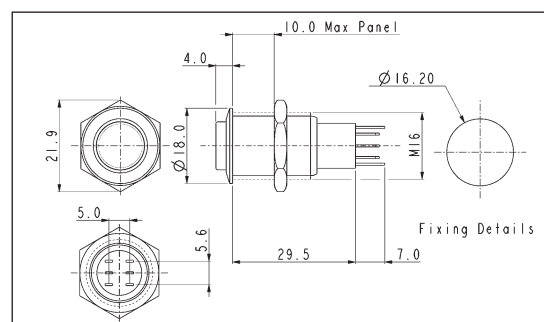
- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O
- 3A, 250V



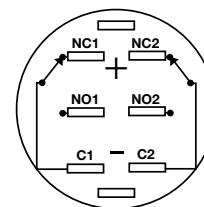
PROMINENT BUTTON



- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O
- 3A, 250V



Contact Layout



Specification

MP0045/1D0NN000

MP0045/3D0NN000

Terminations:	Solder tags
Switching:	D.P.C.O Momentary Action
Max. Rating:	3A, 250V
Contact Resistance:	50mΩ max. @ 1A, 2V
Insulation Resistance:	>10 ³ MΩ @ 500Vdc
Dielectric Strength:	> 2.0kVac
Operating Temp. Range:	-20°C to +55°C
Operations	
Mechanical:	200,000 (min)
Electrical:	30,000 (min)
Rear Nut Fixing Torque:	12Nm max.
Materials	
Mouldings:	Nylon
Tags/Terminations:	Brass, Silver Plated
Switch Body & Button:	Stainless Steel
Contacts:	Silver
Variants:	Nickel Plated Brass version available details on request
RoHS	Compliant

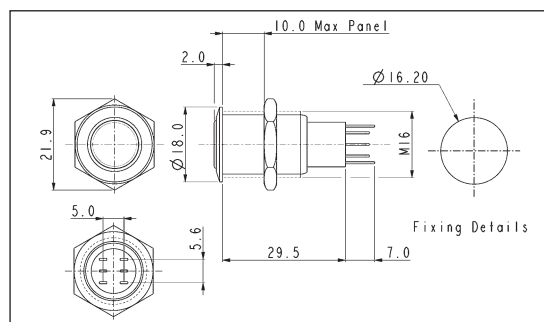
Solder Tags
D.P.C.O Momentary Action
3A, 250V
50mΩ max. @ 1A, 2V
>10 ³ MΩ @ 500Vdc
> 2.0kVac
-20°C to +55°C
200,000 (min)
30,000 (min)
12Nm max.
Nylon
Brass, Silver Plated
Stainless Steel
Silver
Nickel Plated Brass version available details on request
Compliant

Stainless Steel - Latching

LOW PROFILE



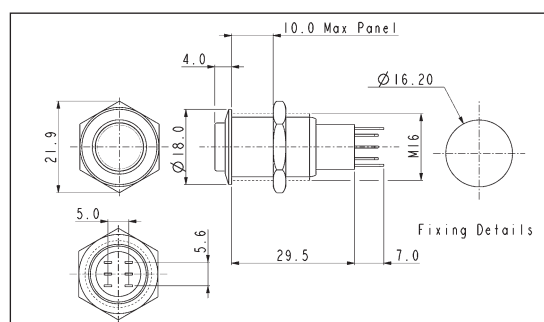
- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O.
- 3A, 250Vac



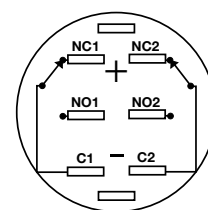
PROMINENT BUTTON



- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O.
- 3A, 250Vac



Contact Layout



Specification	MP0045/1E0NN000	MP0045/3E0NN000
Terminations:	Solder Tags	Solder Tags
Switching:	D.P.C.O. - Latching Action	D.P.C.O. - Latching Action
Max. Rating:	3A, 250V	3A, 250V
Contact Resistance:	50mΩ max. @ 1A, 2V	50mΩ max. @ 1A, 2V
Insulation Resistance:	>10 ³ MΩ @ 500Vdc	>10 ³ MΩ @ 500Vdc
Dielectric Strength:	>2.0kVac	>2.0kVac
Operating Temp. Range:	-20°C to +55°C	-20°C to +55°C
Operations		
Mechanical:	200,000 (min)	200,000 (min)
Electrical:	30,000 (min)	30,000 (min)
Rear Nut Fixing Torque:	12Nm max.	12Nm max.
Materials		
Mouldings:	Nylon	Nylon
Tags/Terminations:	Brass, Tin Plated	Brass, Tin Plated
Switch Body & Button:	Stainless Steel (Polished)	Stainless Steel (Polished)
Contacts:	Silver	Silver
Variants:	Nickel Plated Brass version details on request	Nickel Plated Brass version details on request
RoHS	Compliant	Compliant

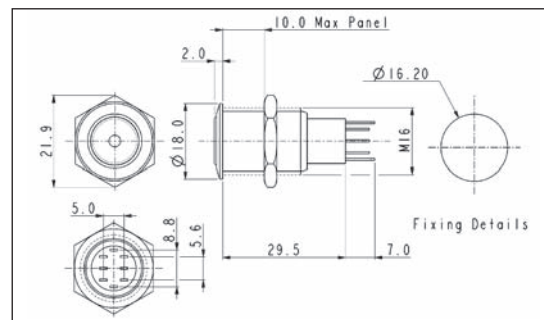
Stainless Steel Illuminated Momentary

FRONT PANEL MOUNTING



MP0045/1D1

- Dot Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals

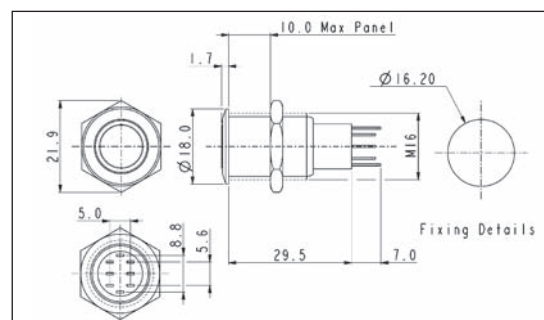


FRONT PANEL MOUNTING

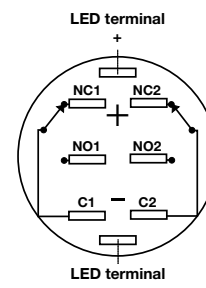


MP0045/1D2

- Ring Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals



Contact Layout



Specification

MP0045/1D1/Colour/Voltage

Terminations:	Solder Tags			
Illumination:	Dot			
Switching:	D.P.C.O. Momentary Action			
Max. Switch Rating:	3A, 250Vac			
LEDs				
Colours	Red	Green	Amber	Blue
Part No.	/RD	/GN	/AM	/BL
Voltage	12Vdc	220Vdc		
Part No.	/012	/220		
Contact Resistance:	50mΩ max. @ 1A, 2Vdc			
Insulation Resistance:	>10 ³ MΩ @ 500Vac			
Dielectric Strength:	>2.0kVac			
Operating Temp. Range:	-20°C to +55°C			
Operations				
Mechanical:	200,000 (min)			
Electrical:	30,000 (min)			
Rear Nut Fixing Torque:	12Nm			
Materials				
Mouldings:	Nylon			
Tags:	Brass, Silver Plated			
Switch Body & Button:	Stainless Steel (Polished)			
Variants	Prominent Button, details on request			
RoHS	Compliant			

MP0045/1D2/Colour/Voltage

Terminations:	Solder Tags			
Illumination:	Ring			
Switching:	D.P.C.O. Momentary Action			
Max. Switch Rating:	3A, 250Vac			
LEDs				
Colours	Red	Green	Amber	Blue
Part No.	/RD	/GN	/AM	/BL
Voltage	12Vdc	220Vdc		
Part No.	/012	/220		
Contact Resistance:	50mΩ max. @ 1A, 2Vdc			
Insulation Resistance:	>10 ³ MΩ @ 500Vac			
Dielectric Strength:	>2.0kVac			
Operating Temp. Range:	-20°C to +55°C			
Operations				
Mechanical:	200,000 (min)			
Electrical:	30,000 (min)			
Rear Nut Fixing Torque:	12Nm			
Materials				
Mouldings:	Nylon			
Tags:	Brass, Silver Plated			
Switch Body & Button:	Stainless Steel (Polished)			
Variants	Prominent Button, details on request			
RoHS	Compliant			

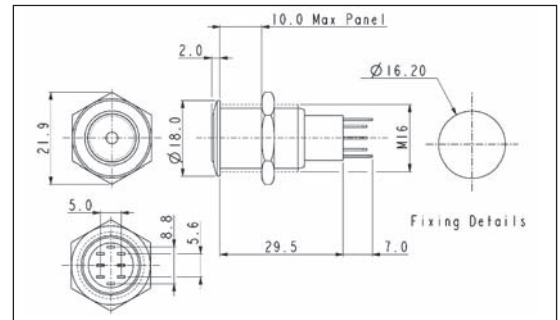
Stainless Steel Illuminated Latching

FRONT PANEL MOUNTING



- Dot Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals

MP0045/1E1

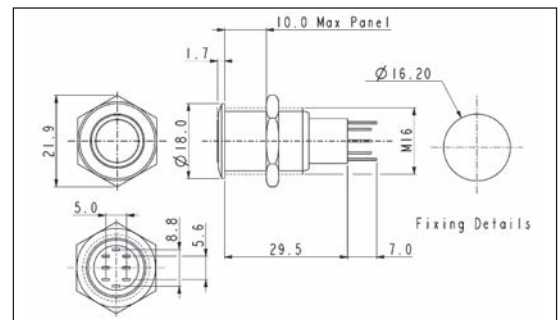


FRONT PANEL MOUNTING

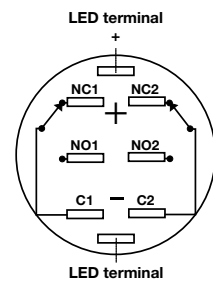


- Ring Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals

MP0045/1E2



Contact Layout



Specification

MP0045/1E1/Colour/Voltage

Terminations:	Solder Tags			
Illumination:	Dot			
Switching:	D.P.C.O. Latching Action			
Max. Switch Rating:	3A, 250Vac			
LEDs				
Colours	Red	Green	Amber	Blue
Part No.	/RD	/GN	/AM	/BL
Voltage	12Vdc	220Vdc		
Part No.	/012	/220		
Contact Resistance:	50mΩ max. @ 1A, 2Vdc			
Insulation Resistance:	>10 ³ MΩ @ 500Vac			
Dielectric Strength:	>2.0kVac			
Operating Temp. Range:	-20°C to +55°C			
Operations				
Mechanical:	200,000 (min)			
Electrical:	30,000 (min)			
Rear Nut Fixing Torque:	12Nm			
Materials				
Mouldings:	Nylon			
Tags:	Brass, Silver Plated			
Switch Body & Button:	Stainless Steel (Polished)			
Variants	Prominent Button, details on request			
RoHS	Compliant			

MP0045/1E2/Colour/Voltage

Terminations:	Solder Tags			
Illumination:	Ring			
Switching:	D.P.C.O. Latching Action			
Max. Switch Rating:	3A, 250Vac			
LEDs				
Colours	Red	Green	Amber	Blue
Part No.	/RD	/GN	/AM	/BL
Voltage	12Vdc	220Vdc		
Part No.	/012	/220		
Contact Resistance:	50mΩ max. @ 1A, 2Vdc			
Insulation Resistance:	>10 ³ MΩ @ 500Vac			
Dielectric Strength:	>2.0kVac			
Operating Temp. Range:	-20°C to +55°C			
Operations				
Mechanical:	200,000 (min)			
Electrical:	30,000 (min)			
Rear Nut Fixing Torque:	12Nm			
Materials				
Mouldings:	Nylon			
Tags:	Brass, Silver Plated			
Switch Body & Button:	Stainless Steel (Polished)			
Variants	Prominent Button, details on request			
RoHS	Compliant			

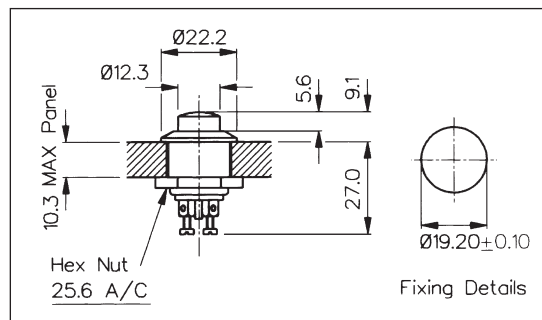
Push Button

FRONT PANEL MOUNTING



MP0012/Col

- 22mm diameter
- Prominent Button
- S.P. Push to Make
- Screw Terminals
- Brass, Chrome Plated Body, Glass Filled Nylon Button

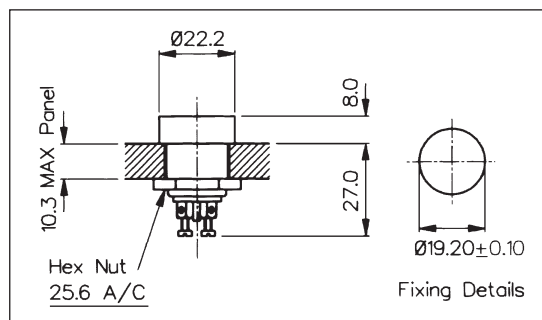


FRONT PANEL MOUNTING



MP0012/1/Col

- 22mm diameter
- Recessed Button
- S.P. Push to Make
- Screw Terminals
- Brass, Chrome Plated Body, Glass Filled Nylon Button

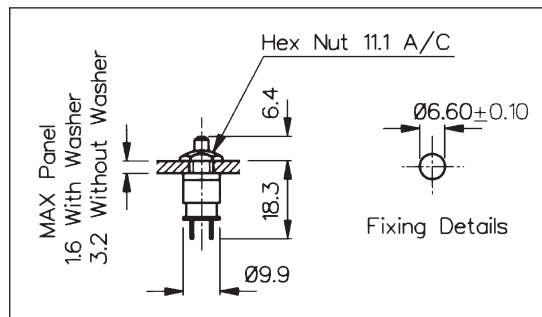


REAR PANEL MOUNTING



MP0016

- S.P. Push to Make
- Solder Tags
- 1A, 28Vac/dc
- Brass Nickel Plated Body, Glass Filled Nylon Button



Specification	MP0012/Colour	MP0012/1/Colour	MP0016/Colour
Terminations:	Screw Terminals	Screw Terminals	Solder Tags
Switching:	S.P. Push to Make Slow Momentary Action	S.P. Push to Make Slow Momentary Action	S.P. Push to Make Slow Momentary Action
Max. Rating:	0.25A. 250Vac, 1A. 110Vac, 2A. 12Vac/dc	0.25A. 250Vac, 1A. 110Vac, 2A. 12Vac/dc	1A 28Vac/dc (non-inductive)
Contact Resistance:	<15mΩ	<15mΩ	<15mΩ
Insulation Resistance:	>10 ⁴ MΩ	>10 ⁴ MΩ.	>10 ⁴ MΩ
Dielectric Strength:	>2.5kVac	>2.5kVac	>2.0kVac
Operating Temp. Range:	-20°C to +85°C	-20°C to +85°C	-20°C to +85°C
Operating Pressure (typ):	936gms (33ozs)	936gms (33ozs)	634gms (22ozs)
Materials:			
Moulding:	Glass Filled Nylon	Glass Filled Nylon	Glass Filled Nylon
Body:	Brass, Chrome Plated	Brass, Chrome Plated	Brass, Chrome Plated
Contacts/Terms:	Brass, Silver Plated	Brass, Silver Plated	Brass, Silver Plated
Variants:	Button Colour: Standard - Black, /RD (Red)	Button Colour: Standard - Black, /RD (Red)	Button Colour: Standard - Black, /RD (Red)
RoHS	Compliant	Compliant	Compliant

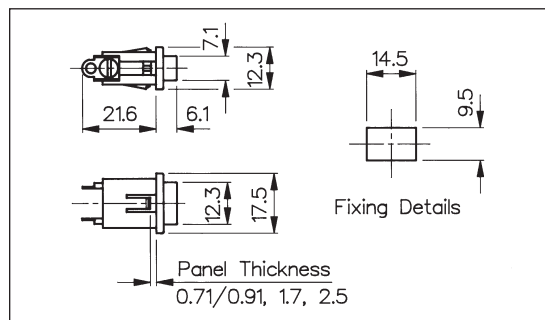
Push Button

FRONT PANEL MOUNTING

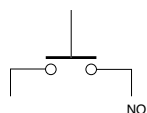


MP0022/Col

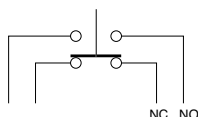
- S.P. Push to Make
- Solder Tags
- Nylon Body & Button



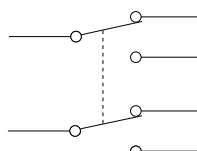
SWITCH CONTACT OPERATION



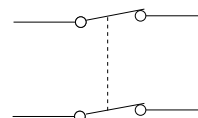
S.P. Push to Make
S.P.M.B.



S.P.C.O.



D.P.C.O.

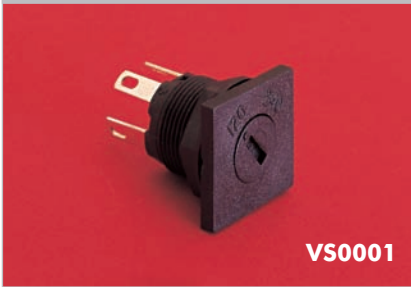


D.P.M.B.

Specification	MP0022/Colour		
Terminations:	Solder Tags		
Switching:	S.P. Push to Make Slow Momentary Action		
Max. Rating:	0.25A. 250Vac, 0.5A. 110Vac, 1A. 0.1 to 28Vac/dc		
Contact Resistance:	<15mΩ		
Insulation Resistance:	>10 ⁴ MΩ		
Dielectric Strength:	>2.5kVac		
Operating Temp. Range:	-20°C to +70°C		
Sealing:			
Materials:			
Moulding:	Nylon		
Tags:	Brass, Silver Plated		
Body:	Nylon		
Contacts/Terms:	Brass, Silver Plated		
Variants:	Button Colours: Standard - Black, /WH (White) and /RD (Red). /TERM - (Screw terminals)		
RoHS	Compliant		

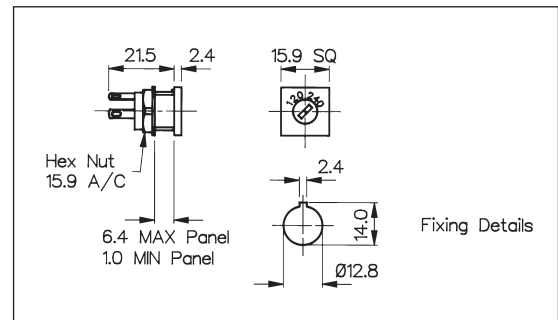
Voltage Selectors

120/240V VOLTAGE SELECTOR



VS0001

- 2.8 series tabs/solder tags
- Square Front Bezel
- 6.3A
- CSA & VDE approvals

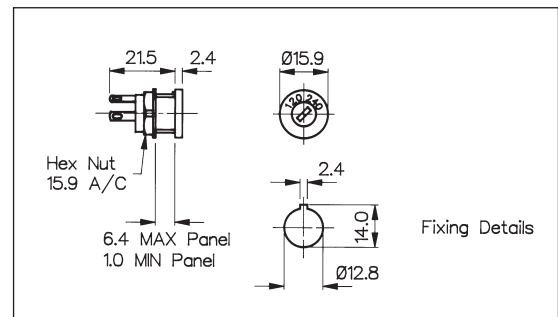


120/240V VOLTAGE SELECTOR

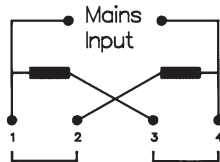


VS0002

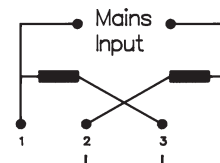
- 2.8 series tabs/Solder tags
- Round Front Bezel
- 6.3A
- CSA & VDE approvals



Connection Parallel 120V



Connection Series 240V



Specification	VS0001	VS0002
Max. Rating:	6.3A, 120/240V	6.3A, 120/240V
Insulation Resistance:	>10 ⁶ MΩ	>10 ⁶ MΩ.
Termination:	2.8 series tabs/solder tags	2.8 series tabs/solder tags
Temperature Range:	-20°C to +85°C	-20°C to +85°C
Materials:		
Mouldings:	Glass Filled Nylon UL94V-1	Glass Filled Nylon UL94V-1
Tags:	Brass, Silver Plated	Brass, Silver Plated
Contacts:	Copper Silver Alloy	Copper Silver Alloy
Approvals:		
Variants:	Other markings, details on request	Other markings, details on request
	RoHS	Compliant

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А